

ICT/Computer Science: KS3 Scheme of Learning

Brief outline of the course:

Year Group	Winter Term		Spring Term		Summer Term	
7	Desktop Publishing and Graphics Editing: Creation of a DTP leaflet about yourself. <i>Assessment: Leaflet Plan, Final Leaflet and Evaluation.</i>	Kodu: Learn how to program your own games using code blocks. <i>Assessment: Write-up of automated Fish tank program.</i>	E-safety / E-mail / Hardware: Learn to use the basic features of e-mail, how to stay safe online and how computers work. <i>Assessment: E-mail on pros and cons of e-mail and how to stay safe online. Test on hardware.</i>	Micro:bit: Learn to program a real world device using the Microsoft Block Editor language.	Micro:bit (Continued): Learn how to program your own games for the Micro:bit. <i>Assessment: Final Micro:bit game.</i>	Business Software Learn how to use business software to aid a dog grooming business called the 'Pooch Parlour' <i>Assessment: Final products produced for the company.</i>
8	Scratch: Use Scratch to produce your animations and games. <i>Assessment: Assessed final Scratch game.</i>	Photoshop: Learn how to use various Photoshop tools to produce your own images. <i>Assessment: Final self-made image.</i>	Web Design: Create a working website about a topic of your choice. <i>Assessment: Site Plan, final site and Evaluation.</i>	Flowol: Learn how to use flowcharts to plan solutions for real world problems.	Python: Learn the basics of the Python programming language. <i>Assessment: Programmed Python multiple choice quiz.</i>	Healthy Eating Calculator: Learn advanced spreadsheet skills such as validation conditional formatting and IF formulas. <i>Assessment: Final Spreadsheet.</i>
9	Python, Micro:bit: Learn how to use the Python programming language to program a real world device. <i>Assessment: Final Micro:bit Python program.</i>	Music Festival Learn how to use various pieces of software to aid with the running of a music festival. <i>Assessment: Final products for festival.</i>	Sorting/Searching: Learn about different sorting and searching algorithms. <i>Assessment: Topic Test.</i>	Networking: Learn about binary and how numbers, text, images and sound can be represented using binary.	Networking (continued): Learn about how computers communicate. <i>Assessment: Work for unit.</i>	Advanced Python Learn more advanced Python programming skills such as arrays, functions and for loops. <i>Assessment: Hangman Game.</i>